DESIGNATED/ELECTED OFFICE (DO/EO/US)

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ASRECUEBING OF FEB 2006 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/567413

CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/CN2004/000899 August 6, 2003 **August 5, 2004** TITLE OF INVENTION THE PREPARATION METHOD OF EXO-PRESSURE TYPE POLY(VINYLIDENE FLUORIDE) HOLLOW FIBER MEMBRANE SPINNED UTILIZING A IMMERSION-COAGULATION METHOD AND THE PRODUCT THEREOF APPLICANT(S) FOR DO/EO/US Xiang LI Xiaomai WANG Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), 3. (9) and (24) indicated below. The US has been elected (Article 31). Ш 4. A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) is attached hereto (required only if not communicated by the International Bureau). a. 📙 \boxtimes has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). **c**. ∐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). \boxtimes is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) 7. are attached hereto (required only if not communicated by the International Bureau). a. 🗌 have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. ·d. □ have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). A copy of the International Preliminary Examination Report (PCT/IPEA/409). 11. A copy of the International Search Report (PCT/ISA/210). X 12. Items 13 to 23 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. **13**. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 14. X 15. A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment. 16. \boxtimes A substitute specification. **17**. \boxtimes A power of attorney and/or change of address letter. 18. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 19.

A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).

A second copy of the published International Application under 35 U.S.C. 154(d)(4).

EV 790916018 US

U.S. APPLICATION NOI(II known, see 37/CER 1.5)

INTERNATIONAL APPLICATION NO.

PCT/CN2004/000899

ATTORNEY'S DOCKET NUMBER

133697-0022

23. Other items or information:

Fee Transmittal
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1420 Res d POT/PIO 03 FEB 2006

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	_	=	ive been s						CALCULATION	S	PTO USE
24.	Basic national fee						300	\$ \$300	0.00		
25. Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article \$0 All other situations. \$200							\$0	\$ \$200	0.00	•	
26. Search fee (37 CFR 1.492(b)) If the written opinion the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority. \$100 International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. \$400 All other situations. \$500						\$ \$400	0.00				
	TOTAL	OF 24	, 25 and	26 =					\$ \$900	0.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.						,					
Total Sh	neets	Extra	Sheets		ber of each additional 50 of thereof (round up to a when the actual control of the control of th		RATE				
16	- 100 =	0	/50 =	3. A	0		× \$250.	00	\$ \$0	0.00	
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CL	CLAIMS NUMBER FILED NUMBER EXTRA RATE										
Total cla	aims		21	- 20 =	1	X	\$50.	00	\$ \$50	0.00	
Indepen	ident clain	ns	2	- 3=	0	X	\$200.	00	\$ \$0	0.00	
MULTIPLE DEPENDENT CLAIMS (if applicable)						00	\$ \$0	0.00			
TOTAL OF ABOVE CALCULATIONS =						S =	\$ \$950	0.00			
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.						′	\$ \$475	5.00			
						S	UBTOTA	\L =	\$ \$475	5.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).						\$ \$0.00					
TOTAL NATIONAL FEE =						E =	\$ \$475.00				
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be						\$ \$400.00					
TOTAL FEES ENCLOSED =						\$ \$875.00					
	<u> </u>								Amount to be		\$
									Amount to be		

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a.	to cover the above fees is enclosed.								
b. Please charge my Deposit Account No. A duplicate copy of this sheet is enclosed.	in the amount 12-2136								
c. The Commissioner is hereby authorized to c to Deposit Account No. 12-2136	charge any additional fees which may be required, or credit any overpayment . A duplicate copy of this sheet is enclosed.								
Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.									
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.									
SEND ALL CORRESPONDENCE TO:	/ //orall Jayon								
Michael S. Gzybowski SIGNATURE									
BUTZEL LONG 350 South Main Street	Michael S. Gzybowski								
Suite 300	NAME								
Ann Arbor, Michigan 48104	32,816								
	REGISTRATION NUMBER								
	February 3, 2006								
	DATE								

1AP29 Rec'd MITTEN 03 FEB 2006

CERTIFICATE OF	Docket No.				
Applicant(s): Xiang L	I et al.		133697-0022		
04567413	Filing Date	Examiner	Customer No.	Group Art Unit	
Unknown	February 3, 2006	Unknown	35684	Unknown	
FIBER ME	PARATION METHOD OF EMBRANE SPINNED UT THEREOF	F EXO-PRESSURE TYPE POLY(VINILIZING A IMMERSION-COAGULA	YLIDENE FLUO ATION METHOD	RIDE) HOLLOV	
	he following corresponde PCT Application based on	nce: PCT/CN2004/000899 (see list of subm	nitted documents b	elwo)	
	(10	dentify type of correspondence)			
is being deposited w	rith the United States Pos	tal Service "Express Mail Post Office	to Addressee" se	ervice under 37	
CFR 1.10 in an enve	elope addressed to: Comr	missioner for Patents, P.O. Box 1450	, Alexandria, VA	22313-1450 on	
	February 3, 2006 (Date)				
		Michael S.	Gzybowski		
		(Typed or Printed Name of Pers	on Mailing Correspond	lence)	
		Mulaush	Jan		
		(Signature of Person Man	ling Correspondence)		
		EV 79091	6018 US		
		("Express Mail" Mail	ing Label Number)		

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Express Mail Cover Letter; Transmittal Letter to the U.S. Designated/Elected Office Concerning a Filing Under 35 U.S.C. 371 (PCT-1390/PCT/US1) (2 pgs) - In Duplicate; PCT Publication of International Application No. PCT/CN2004/000899 with Attached Search Report (Publication No. PCTWO2005/014151 A1) (21 pgs); Translation of International Application No. PCT/CN2004/000899 (Publication No. PCTWO2005/014151 into English Including Abstract, Specification, and Claims (16 pgs); Formal Drawings (3 sheets. 7 Figures) Substitute Specification - Clean Copy (14 pgs); Substitute Specification - Marked-Up Copy (15 pgs) Preliminary Amendment (11 pgs); PCT/USA National Declaration and Power of Attorney (2 pgs) National Declaration and Power of Attorney (2 pages); Assignment (2 Pages) Assignment Recordation Cover Sheet (1 page); Fee Transmittal (1 pg); Return Post Card

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ATTORNEY'S DOCKET NO.: 133697-0022

"EXPRESS MAIL" COVER LETTER

U.S. PARPLICATION TO 03 FEB 2006

Date:

February 3, 2006

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Re:

APPLICANTS:

Xiang LI and Xiaomai WANG

TITLE OF INVENTION:

THE PREPARATION METHOD OF EXO-PRESSURE TYPE POLY(VINYLIDENE FLUORIDE) HOLLOW FIBER MEMBRANE SPINNED UTILIZING A IMMERSION-COAGULATION METHOD AND THE PRODUCT

THEREOF

Sir:

Forwarded herewith is the above-identified application, consisting of the following:

Express Mail Cover Letter;

Certificate of Mailing by "Express Mail"

Transmittal Letter to the U.S. Designated/Elected Office Concerning a Filing Under 35 U.S.C. 371 (PCT-1390/PCT/US1) (2 pgs) – In Duplicate

PCT Publication of International Application No. PCT/CN2004/000899 with Attached Search Report (Publication No. PCTWO2005/014151 A1) (21 pgs)

Translation of International Application No. PCT/CN2004/000899 (Publication No. PCTWO2005/014151 into English Including Abstract, Specification, and Claims (16 pgs)

Formal Drawings (3 sheets. 7 Figures)

Substitute Specification - Clean Copy (14 pgs)

Substitute Specification – Marked-Up Copy (15 pgs)

Preliminary Amendment (11 pgs)

PCT/USA National Declaration and Power of Attorney (2 pgs)

Assignment (2 Pages)

Assignment Recordation Cover Sheet (1 page)

Fee Transmittal (1 pg)

Return Post Card

Respectfully submitted,

Michael S. Gzybowski

Reg. No. 32,816

Attorney for Applicant

BUTZEL LONG 350 South Main Street Suite 300 Ann Arbor, MI 48104 734-995-3110 (ph)

"EXPRESS MAIL" Mailing No. EV 790916018 US

Date of Deposit:

February 3, 2006

I hereby certify that this paper is being deposited with The United States Postal Service "EXPRESS MAIL

POST OFFICE TO ADDRESSEE" service under

37 CFR 1.10 on the date indicated above and is addressed

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Michael S. Gzybowski

APZOROS'OPCTIPTO 03 FEB 2006

Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriatons Act, 2005 (H.R. 4818).

Complete if Known

Doc Code:

Approved for use through 07/31/2006. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Application Number

FEE IKA	Filing Date	February							
for FY	200)5		First Named In	ventor	Xiang l	LI et al.		
Applicant claims small en	Examiner Nam	e	Unknown						
M White all orders all all cl	uty status			Art Unit		Unknown			
TOTAL AMOUNT OF PA	\$875.00	Attorney Docke	et No.	133697	-0022				
METHOD OF PAYMENT	(check all	that apply)							
Check Credit Ca	Check Credit Card Money Order None Other (please identify):								
Deposit Deposit Account Number: 12-2136 Deposit Account Name: BUTZEL LONG									
For the above-identified dep	osit accour	nt, the Director is	s hereby aut	horized to: (check	all that ap	opty)			
Charge fee	(s) indicated	d below		Char	ge fee(s)	indicated	below, except for	or the filing fee	
		fee(s) or any un	derpayment	of Cred	it any ove	erpayment	s		
fee(s) unde WARNING: Information on this information and authorization	form may		c. Credit car	rd Information sho	ould not	be includ	ed on this for	m. Provide credit card	
FEE CALCULATION	<u> </u>								
1. BASIC FILING, SEARCH	1. BASIC FILING, SEARCH, AND EXAMINATION FEES								
	FILING F	FEES Small Entity	SEAR	CH FEES Small Entity	E	:XAMINA	ATION FEES Small Entity		
Application Type	Fee (\$)	Fee (\$)	Fee (\$)		<u> </u>	ee (\$)	Fee (\$)	Fees Paid(\$)	
Utility	300	150	500	250		200	100		
Design	200	100	100	50		130	65		
Plant	200	100	300	150		160	80		
Reissue	300	150	500	250		600	300		
Provisional	200	100	0	0		0	0 .		
2. EXCESS CLAIM FEES Fee Description Each claim over 20 (including	na Raissua	es)					<u>Fee (\$)</u> 50	Small Entity Fee (\$) 25	
Each independent claim over	_		3)				200	100	
Multiple dependent claims	•	J					360	180	
Total Claims	Evtra Clair	s Fac (4)	1	Fee Paid (\$)			Multiple Fee (\$)	Dependent Claims Fee Paid (\$)	
<u>Total Claims</u> - 20 or HP =	Extra Claim		\$25.00 =	= \$0.00			1.95 (9)	i ee raiu (4)	
HP = highest number of total clai	ms paid for,								
<u>Indep. Claims</u> - 3 or HP =	Extra Claim			Fee Paid (\$) =\$0.00					
HP = highest number of independ	dent claims			<u></u>					
3. APPLICATION SIZE FEE				ovoludina oloota	anically (filed com	uence or com	unuter lieting under	
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listing under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof.									
See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).									
Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$) - 100 = 0 / 50 (round up to a whole x _\$125.00 =\$0.00_									
- 100 = / 50 (round up to a whole									
Non-English specification, \$130 fee (no small entity discount)									
Other (e.g., late filing surcharge): Basic National Phase Filing Fee and Assignment Recordation Fee \$875.00									
SUBMITTED BY A A A A A A A A A A A A A A A A A A									
Signature	liNu	U) Chi		Registration No. Attorney/Agent)	32,	816	Telephone	734-995-3110	
Name (Print/Type)	111	Micha	el S. Gzybo	owski			Date	Febraury 3, 2006	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.